Expression

MRI Patient Monitor from Invivo

ACCESSORY GUIDE

REV D

Model 865214
April 2011

Frequently Ordered Items

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ECG Accessories

Part Number	Description	Image	QTY
989803152251 (94016)	**Standard ECG Kit** *Includes ECG Lead Cable (9224), box of 10 Standard Quadtrodes (9303A), and single tube of Prep Gel (453564120521)*		
989803152261 (94015)	**CV ECG Starter Kit** *Includes CV ECG Lead Cable (9223), box of 10 CV Quadtrodes (9371A) and single tube of Prep Gel (453564120521)*		
989803152441 (94013)	**Neonatal Starter Kit** *Includes Neonatal ECG Lead Cables (9222), box of 10 Neonatal Quadtrodes (9372A), single tube of Prep Gel (453564120521), Neonatal NIBP Hose (989803169421), Neonatal #3 BP Cuff (989803170401), Neonatal #5 BP Cuff (989803170421), Neonatal Grip Sensors (9399AN), Infant Grip Sensors (9399AI), and Infant Cannulas (9014 and 9015)*		
989803163121	**Wireless ECG Module (Generation 2)** *Additional or Replacement (Must provide Expression Cart/PMC serial number).*		
989803152291 (9009)	**Prep Gel** *Package of 3 tubes (453564120521). Must be used when applying MRI electrodes*		
989803152301 (9224)	**Standard ECG Lead Cable** *Compatible with the Standard Quadtrode 9303A or 9303N*		
989803152311 (9303A)	**Standard Quadtrode (Box of 10)** *MRI Electrodes compatible with the 9224 Standard Lead Cable*		
989803152321 (9303N)	**Standard Quadtrode (Box of 50)** *MRI Electrodes compatible with the 9224 Standard Lead Cable*		
989803152331 (9222)	**Neonatal ECG Cable** *Compatible with the Neonatal Quadtrode 9372A*		
989803152341 (9372A)	**Neonatal Quadtrodes (Box of 10)** *MRI Electrodes compatible with the 9222 Neonatal Lead Cable*		

Part Number	Description	Image	QTY
989803152351 (9223)	**CV ECG Lead Cable** *Compatible with the CV Quadtrode 9371A*		
989803152361 (9371A)	**CV Quadtrode (Box of 10)** *MRI Electrodes compatible with the CV Lead Cable 9223, Advanced Filter Cable 989803170121 and Special Application Cable 452213305301*		
989803170121	**Advanced Filter ECG Cable** *Designed to minimize the gradient artifact on the ECG trace. For use with CV Quadtrode 9371A*		
452213305301	**Special Application ECG Lead Cable -** *Compatible with the CV Quadtrode 9371A- Designed to allow for wide electrode placement*		

SpO_2 Accessories

Part Number	Description	Image	QTY
989803163111	**Wireless SpO_2 Module (Generation 2)** *Additional or Replacement.* *Must provide Expression Cart/PMC serial number.*		
989803161991	**Quick Connect SpO_2 Sensor, MRI** *For use with Generation 2 SpO_2 Module 989803163111 and Quick Connect SpO_2 accessories only*		
989803166551	**Adult Quick Connect Disposable SpO_2 Applicator (Box of 20)** *For use with 989803161991 Quick Connect SpO_2 sensor*		
989803166561	**Pediatric Quick Connect Disposable SpO_2 Applicator (Box of 20)** *For use with 989803161991 Quick Connect SpO_2 sensor*		
989803166571	**Infant Quick Connect Disposable SpO_2 Applicator (Box of 20)** *For use with 989803161991 Quick Connect SpO_2 sensor*		
989803166581	**Neonatal Quick Connect Disposable SpO_2 Applicator (Box of 20)** *For use with 989803161991 Quick Connect SpO_2 sensor*		
989803167111	**Quick Connect SpO_2 Starter Kit** *For use with 989803161991 Quick Connect SpO_2 sensor. Includes 5 each of Quick Connect Disposable Grips (Adult, Pediatric, Infant, and Neonatal)*		
989803166531	**Adult Quick Connect Reusable SpO_2 Clip** *For use with 989803161991 Quick Connect SpO_2 sensor*		
989803166541	**Pediatric Quick Connect SpO_2 Clip** *For use with 989803161991 Quick Connect SpO^2 sensor*		

NIBP Accessories

Part Number	Description	Image	QTY
989803152441 (94013)	**"Quick Connect" Neonatal Starter Kit** *Includes: Neonatal ECG Lead Cables (9222), box of 10 Neonatal Quadtrodes (9372A), single tube of Prep Gel (453564120521), Neonatal NIBP Hose (989803169421), Neonatal #3 BP Cuff (989803170401), Neonatal #5 BP Cuff (989803170421), Neonatal Grip Sensors (9399AN), Infant Grip Sensors (9399AI), and Infant Cannulas (9014 and 9015)*		
989803152451 (94014)	**"Quick Connect" NIBP Starter Kit** *Includes: MRI NIBP Adult Hose (989803169411), Adult Cuff (989803169451) and Pediatric Cuff (989803169441)*		
989803169411	**"Quick Connect" NIBP Hose (Twin Lumen) 18' MRI Hose** *For use with Quick Connect NIBP Cuffs*		
989803170501	**"Quick Connect" Disposable NIBP Sample Kit** *Includes: one of each Disposable Cuff compatible with 989803169411 MRI NIBP Hose*		
989803170431	**"Quick Connect" Infant NIBP Disposable Cuff (Box of 10)** *Circumference range 10 to 15 cm compatible with 989803169411 MRI NIBP Hose*		
989803170441	**"Quick Connect" Pediatric NIBP Disposable Cuff (Box of 10)** *Circumference range 14 to 21 cm compatible with 989803169411 MRI NIBP Hose*		
989803170451	**"Quick Connect" Small Adult NIBP Disposable Cuff (Bx of 10)** *Circumference range 20 to 28 cm compatible with 989803169411 MRI NIBP Hose*		
989803170461	**"Quick Connect" Adult NIBP Disposable Cuff (Box of 10)** *Circumference range 27 to 36 cm compatible with 989803169411 MRI NIBP Hose*		

Part Number	Description	Image	QTY
989803170471	**“Quick Connect” Adult Extra Long NIBP Disposable Cuff (Box of 10)** *Circumference range 27 to 36 cm compatible with 989803169411 MRI NIBP Hose*		
989803170481	**“Quick Connect” Large Adult NIBP Disposable Cuff (Bx of 10)** *Circumference range 35 to 45 cm compatible with 989803169411 MRI NIBP Hose*		
989803170491	**“Quick Connect” Large Adult Extra-Long NIBP Disposable Cuff (Box of 10)** *Circumference range 35 to 45 cm compatible with 989803169411 MRI NIBP Hose*		
989803169431	**“Quick Connect” Infant NIBP Cuff (Twin Lumen)** *Circumference range 5 to 15 cm compatible with 989803169411 MRI NIBP Hose*		
989803169441	**“Quick Connect” Pediatric NIBP Cuff (Twin Lumen)** *Circumference range 9 to 25 cm compatible with 989803169411 MRI NIBP Hose*		
989803169451	**“Quick Connect” Adult NIBP Cuff (Twin Lumen)** *Circumference range 17 to 41 cm compatible with 989803169411 MRI NIBP Hose*		
989803169461	**“Quick Connect” Large Adult NIBP Cuff (Twin Lumen)** *Circumference range 39 to 62 cm compatible with 989803169411 MRI NIBP Hose*		
989803169421	**“Quick Connect” Neonatal NIBP Hose (Single Lumen)** *15' MRI Neonatal Hose for use with 989803170401 and 989803170421 NIBP Cuffs*		
989803170401	**“Quick Connect” Disposable Neonatal NIBP Cuff #3 (Single Lumen)** - **QTY 1** - *Circumference range 6 to 11 cm compatible with 989803169421 MRI Neonatal NIBP Hose*		
989803170421	**“Quick Connect” Disposable Neonatal NIBP Cuff #5 (Single Lumen)** - **QTY 1** - *Circumference range 8 to 15 cm compatible with 989803169421 MRI Neonatal NIBP Hose*		

$EtCO_2$ (Low-Flow) Accessories

These accessories are only compatible with Expression low-flow systems ($EtCO_2$ option only, no Anesthetic Agents).

Part Number	Description	Image	QTY
989803152531 (94022)	**Low-Flow $EtCO_2$ Kit (Blue)** *Includes 1 Low-Flow Blue Water Trap (94020), 1 Low-Flow $EtCO_2$ Blue Sample Line, (94021), 2 pediatric cannulas (9013), and 2 adult cannulas (9012)*		
989803152541 (94021)	**Low-Flow $EtCO_2$ Sample Line (Blue)** *For use with Low-Flow $EtCO_2$ equipped systems only - Compatible with Low-Flow Water Trap (94020) only*		
989803152551 (94020)	**Low-Flow Disposable Water Trap (Blue)** *For use with Low-Flow $EtCO_2$ equipped systems only - Compatible with the Low-Flow Sample Line (94021) only*		

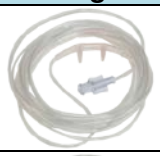
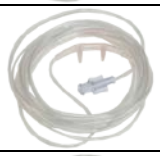
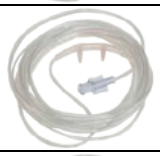
$EtCO_2$ (Standard Flow)/Agents Accessories

These accessories are only compatible with Expression systems equipped with the Dual Anesthetic Agent option.

Part Number	Description	Image	QTY
989803152651 (94019)	**Standard-Flow $EtCO_2$/Agents Kit (Clear)** *Includes 1 Standard-Flow Clear Water Trap (94012) and 2 Standard-Flow Clear Sample Lines (94018)*		
989803152661 (94018)	**Standard-Flow $ETCO_2$/AGENT Sample Line (Clear)** *For use with Agent-equipped systems only - Compatible with Standard-Flow Clear Water Trap (94012) only*		
989803152671 (94012)	**Standard-Flow Disposable Water Trap (Clear)** *For use with Agent-equipped units only - Compatible with Standard-Flow Clear Sample Line (94018) only*		

$EtCO_2$/Anesthetic Agent Accessories

These accessories are compatible with all Expression systems

Part Number	Description	Image	QTY
989803152561 (9012)	**Adult Disposable Cannula**		
989803152571 (9013)	**Pediatric Disposable Cannula**		
989803152581 (9014)	**Small Infant Disposable Cannula**		
989803152591 (9015)	**Infant Disposable Cannula**		
989803152601 (9016)	**Divided Adult Disposable Cannula** *Disposable Adult Divided Cannula for simultaneous delivery of O_2 and $EtCO_2$ sampling*		
989803152611 (9016A)	**Divided Small Infant Disposable Cannula** *For simultaneous delivery of O_2 and $EtCO_2$ sampling*		
989803152621 (9016B)	**Divided Infant Disposable Cannula** *For simultaneous delivery of O_2 and $EtCO_2$ sampling*		
989803152631 (9016C)	**Divided Pediatric Disposable Cannula** *For simultaneous delivery of O_2 and $EtCO_2$ sampling*		
989803152681 (9471)	**Scavenger Hose**		
989803152691 (9025)	**Endotracheal Airway Adapter (Box of 50)**		
989803152701 (9027)	**Female Luer Lock Adapters (Box of 10)** *Female to Female*		

Agents Sensor Kits and Maintenance Kits

Part Number	Description	Image	QTY
989803162961	**Anesthetic Oxygen (O_2) Sensor Installation Tool**		
989803162051	**Anesthetic Oxygen (O_2) Sensor for Expression**		

Pneumatic Respiration Accessories

Part Number	Description	Image	QTY
989803152791 (94023)	**Chest Bellows** *Compatible with Wireless SpO_2 Module*		

Temperature Accessories

Part Number	Description	Image	QTY
989803162531	**Disposable Temperature Sensor (Box of 10)** *For axillary, and internal applications such as esophageal or rectal application*		
989803152811 (9321)	**FiberTemp Sensor Applicators (Box of 30)** *Only for surface application*		
989803168891	**Temp Sensor Lubricant, 4.25 Oz, (Box of 12)** *For use during internal applications such as esophageal or rectal application*		

Invasive Blood Pressure Accessories

Note: Invivo Corporation recommends using the following transducer and adapter cable with the Expression MRI Patient Monitoring System: Edwards Lifesciences transducer model PX260. Please contact Edwards Lifesciences for an adapter cable that is compatible with Invivo devices. With additional questions, contact your Invivo sales representative.

Power Accessories

Part Number	Description	Image	QTY
989803152881 (9065)	**Wireless Module Batteries 3.7V** *Additional or Replacement*		
989803152891 (9023)	**Wireless Module 3.7V Battery Charger** *Additional or Replacement*		
989803169491 (9093)	**14.8V Batteries For Base and Display** *Additional or Replacement - For use with the Cart, PMC and DCU*		
989803171721	**MR Fusion Power Supply** *Must be used with AC517B cables and appropriate line cords listed in the following pages. Intended for use with the Cart and PMC, or with remote DCU used inside the MR system room*		
989803152221 (AC517A)	**5-Foot MRI Power Cable** *Connects MR Fusion Power Supply (989803171721) or White Power Supply (989803169201) to Expression Cart or PMC*		
989803152231 (AC517B)	**25-Foot MRI Power Cable** *Connects MR Fusion Power Supply (989803171721) or White Power Supply (989803169201) to Expression Cart or PMC*		
453564177511	**Universal Line Cord** *250V cord with un terminated end for use with MR Fusion Power Supply (989803171721) or White Power Supply (989803169201)*		

Part Number	Description	Image	QTY
989803168211 (AS18)	**North American Line Cord** *Hospital grade 125V cord with US plug type for use with MR Fusion Power Supply (989803171721) or White Power Supply (989803169201)*		
453564177501 (AS18G)	**European Line Cord** *250V cord with European (2-prong) plug type for use with MR Fusion Power Supply (989803171721) or White Power Supply (989803169201)*		
989803173901	**Brazilian Line Cord** *250V cord with Brazilian (3-prong) plug type for use with MR Fusion Power Supply (989803171721) or White Power Supply (989803169201)*		
989803168221	**Cord Jumper (25 feet)** *Optional 25-foot cord jumper connecting the MR Fusion to the Line Cord (989803171721) or White Power Supply (989803169201) and a line cord*		
989803174171	**UK Line Cord** *UK plug type for use with MR Fusion Power Supply (989803171721) or White Power Supply (989803169201)*		
453564123631	**DCU Power Converter Kit** *Non-MRI power supply for use with remote DCU and line cord outside the MR system room*		

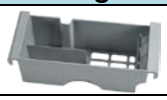
Documentation

Part Number	Description	Image	QTY
989803162701	**Expression Service Manual**	Image currently unavailable	
989803162691	**Expression Operators Manual, English**	Image currently unavailable	
989803162711	**Expression Quick Reference Guide, English**	Image currently unavailable	

Gating Options/Accessories

Part Number	Description	Image	QTY
989803152831 (9291)	**Siemens Gating Interface** *Connects Expression cardiac and peripheral gating output to Siemens (Avanto, Espree, Verio, Symphony, and Trio) MRI systems*		
989803152821 (9292)	**GE Excite Gating Interface** *Connects Expression cardiac and peripheral gating output to GE Excite, MR 450, MR750 and Horizon MRI systems*		
989803152851 (9293)	**Hitachi/Toshiba Gating Interface** *Connects Expression cardiac and peripheral gating output to Hitachi and Toshiba MRI systems*		
989803152841 (9294)	**Vector Gating Interface** *Connects Expression cardiac and peripheral gating option to MRI systems equipped with vector gating such as the Philips Achieva MRI systems*		

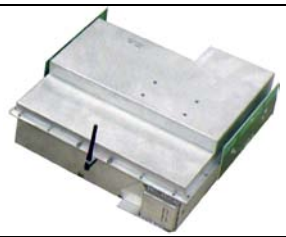
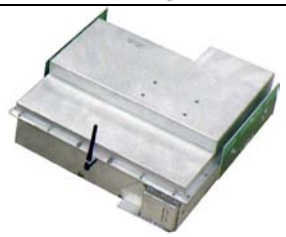
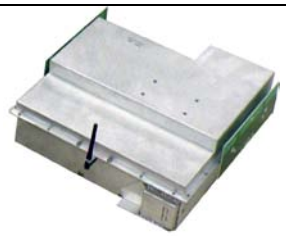
Miscellaneous Accessories

Part Number	Description	Image	QTY
453564145951	**Accessory Storage Tray** *Replacement or additional*		
989803152861 (HP176)	**Zero Port Filter**		
453564125581	**2.4GHz Antenna** *Replacement or Spare Antenna*		
989803152871 (9059)	**2.4GHz Passive Antenna Kit** *Cable lengths (AC485) will need to be known before ordering. Maximum distance is 100 ft Additional installation charge may be required*		
989803152911 (9180T)	**Printer Paper (Box of 10)**		

Mounting Options

Part Number	Description	Image	QTY
865481_H04	**Expression Display Wall Mount Assembly** *For use with DCU. Comes with 9019 channel. Note: Must be combined with a mounting channel (9452A,9453 or ,9019)*		
865481_H01	**Expression PMC Datex Mounting Kit** *Comes with all necessary mounting arms and hardware to mount both the display and the base to the Datex MRI Anesthesia Machines*		
865481_H02	**Expression PMC Draeger Mounting Kit** *Comes with all necessary mounting arms and hardware to mount both the display and the base to the DraegerMRI Anesthesia Machines*		
865481_H03	**Expression PMC Narkomed Mounting Kit** *Comes with all necessary mounting arms and hardware to mount both the display and the base to the Narkomed MRI Anesthesia Machines*		
865481_H03	**Expression PMC GE Surgical Mounting Kit** *Comes with all necessary mounting arms and hardware to mount the display to the Datex anesthesia machine and the base to the surgical transfer board*		
989803152951 (9019)	**19-inch Wall Channel** *Allows DCU to be mounted to a wall* *Note: Must be used with mounting arm (989803162551 or 989803172451)*		
989803152961 (9452A)	**Datex Dovetail Channel** *Allows PMC to be mounted to a Datex Anesthesia Machine* *Note: Must be used with mounting arm (989803162551 or 989803172451)*		
989803152971 (9453)	**Draeger/Universal Channel** *Allows PMC to be mounted to a Draeger Anesthesia Machine* *Note: Must be used with mounting arm (989803162551 or 989803172451)*		

Express Service Modules

Part Number	Description	Image	QTY
865214_S02	**Pedistal Anesthetic Agent Express Service Module** *Express Service module to minimize downtime. May remain on site for quick and easy service of any Expression MRI Patient Monitoring System equipped with anesthetic agents and temperature. For use with the rolling pedestal Expression only*		
865214_S01	**Pedistal $EtCO_2$ Express Service Module** *Express Service module to minimize downtime. May remain on site for quick and easy service of any Expression MRI Patient Monitoring System not equipped with anesthetic agents. For use with the rolling pedestal Expression only.*		
865214_S04	**PMC Anesthetic Agents Express Service Module** *Express Service module to minimized downtime. May remain on site for quick and easy service of any Expression MRI Patient Monitoring System equipped with anesthetic agents and temperature. For use with the Expression PMC only.*		
865214_S03	**PMC $EtCO_2$ Express Service Module** *Express Service module to minimize downtime. May remain on site for quick and easy service of any Expression MRI Patient Monitoring System not equipped with anesthetic agents. For use with the Expression PMC only*		

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For more information about **Invivo Expression MRI Patient Monitoring Systems** or any of the Complete Solution products from Invivo, please visit our website at:
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www.invivoexpression.com

INVIVO CORPORATION

ORLANDO, FL USA
T: 800-331-3220
E: INFO@INVIVOCORP.COM

EUROPE
T: +31 (0)499 378624
E: CONTACT@INVIVOCORP.COM

WWW.INVIVOCORP.COM
WWW.INVIVOEXPRESSION.COM

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